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RAW SEQUENCE LISTING

DATE: 02/08/2002

PATENT APPLICATION: US/10/030,203

TIME: 10:51:27

Input Set : A:\OCR679B.seq.txt

Output Set: N:\CRF3\02082002\J030203.raw

ENTERED

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5 <110> APPLICANT: Alan Garen
6     Zhiwei Hu
8 <120> TITLE OF INVENTION: Neovascular-Targeted Immunoconjugates
10 <130> FILE REFERENCE: OCR-679B.US
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/030,203
14 <141> CURRENT FILING DATE: 2001-12-31
16 <150> PRIOR APPLICATION NUMBER: PCT/US00/16481
18 <151> PRIOR FILING DATE: 2000-06-14
20 <160> NUMBER OF SEQ ID NOS: 12
22 <170> SOFTWARE: MS DOS
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27 <211> LENGTH: 60
29 <212> TYPE: DNA
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
W--> 35 <221> NAME/KEY: primer
37 <223> OTHER INFORMATION: used in constructs
39 <400> SEQUENCE: 1
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43 tgaagaagcc                                     60
47 <210> SEQ ID NO: 2
49 <211> LENGTH: 39
51 <212> TYPE: DNA
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
W--> 57 <221> NAME/KEY: primer
59 <223> OTHER INFORMATION: used in constructs
61 <400> SEQUENCE: 2
63 acgttcaggg gatccaccta ggacgggtcag ctggtgtccc      39
67 <210> SEQ ID NO: 3
69 <211> LENGTH: 44
71 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
W--> 77 <221> NAME/KEY: primer
79 <223> OTHER INFORMATION: used in constructs
81 <400> SEQUENCE: 3
83 acctgcagg atccgcaaga cccaaatctt gtgacaaaac tcac      44
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89 <211> LENGTH: 50
91 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:

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W--> 97 <221> NAME/KEY: primer
      99 <223> OTHER INFORMATION: used in constructs
      101 <400> SEQUENCE: 4
      103 gatcacgtgt cgacttatca ttaccgccga gacagggaga ggctcttctg      50
      107 <210> SEQ ID NO: 5
      109 <211> LENGTH: 67
      111 <212> TYPE: DNA
      113 <213> ORGANISM: Artificial Sequence
      115 <220> FEATURE:
W--> 117 <221> NAME/KEY: primer
      119 <223> OTHER INFORMATION: used in constructs
      121 <400> SEQUENCE: 5
      123 aattcatgga gtttgggctg agctggcttt ttcttggtgc tgcattaaga      50
      125 ggtgtccagt ccgagct                                           67
      129 <210> SEQ ID NO: 6
      131 <211> LENGTH: 57
      133 <212> TYPE: DNA
      135 <213> ORGANISM: Artificial Sequence
      137 <220> FEATURE:
W--> 139 <221> NAME/KEY: primer
      141 <223> OTHER INFORMATION: used in constructs
      143 <400> SEQUENCE: 6
      145 cggactggac acctgttaat gcagcaacaa gaaaagccag ctcagcccaa      50
      147 actcatg                                                         57
      151 <210> SEQ ID NO: 7
      153 <211> LENGTH: 38
      155 <212> TYPE: DNA
      157 <213> ORGANISM: Artificial Sequence
      159 <220> FEATURE:
W--> 161 <221> NAME/KEY: primer
      163 <223> OTHER INFORMATION: used in constructs
      165 <400> SEQUENCE: 7
      167 acgatcttaa gcttccccac agtctcatca tgggtcca      38
      171 <210> SEQ ID NO: 8
      173 <211> LENGTH: 38
      175 <212> TYPE: DNA
      177 <213> ORGANISM: Artificial Sequence
      179 <220> FEATURE:
W--> 181 <221> NAME/KEY: primer
      183 <223> OTHER INFORMATION: used in constructs
      185 <400> SEQUENCE: 8
      187 acggtaacgg atcccagtag tgggagtcgg aaaacccc      38
      191 <210> SEQ ID NO: 9
      193 <211> LENGTH: 39
      195 <212> TYPE: DNA
      197 <213> ORGANISM: Artificial Sequence
      199 <220> FEATURE:
W--> 201 <221> NAME/KEY: primer
      203 <223> OTHER INFORMATION: used in constructs

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205 <400> SEQUENCE: 9
207 ggtaccaagg acgcctgcgc gggtagacagc ggtggccca 39
211 <210> SEQ ID NO: 10
213 <211> LENGTH: 39
215 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
W--> 222 <221> NAME/KEY: primer
224 <223> OTHER INFORMATION: used in constructs
226 <400> SEQUENCE: 10
228 tgggccaccg ctgtcacccg cgcaggcgtc cttggtacc 39
232 <210> SEQ ID NO: 11
234 <211> LENGTH: 1519
236 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
242 <221> NAME/KEY: CDS
244 <223> OTHER INFORMATION: G71-1 immunoconjugate
245 includes leader + G71 + linker + VL + IgG1Fc
247 <400> SEQUENCE: 11
249 atggagtttg ggctgagctg gctttttctt gttgctgcat taagaggtgt 50
251 ccagtccgag ctccaggtgc agctggtgca gtctggggct gaggtgaaga 100
253 agcctgggtc ctcggtgaag gtctcctgca aggccttctg aggcaccttc 150
255 agcagctatg ctatcagctg ggtgcgacag gcccttggaac aagggttga 200
257 gtggatggga gggatcatcc ctatctttgg tacagcaaac tacgcacaga 250
259 agttccaggg cagagtcacg attaccgcgg acaaatccac gagcacagcc 300
261 tacatggagc tgagcagcct gagatctgag gacacggccg tgtattactg 350
263 tgcgagagga ggagggagat atgatgcttt tgatatctgg ggccaaggaa 400
265 aacactggtc accgtctctt caggtggcgg tggctcgggc ggtggtgggt 450
267 cgggtggcgg cggatctcag tctgccctga cgcagccgcc ctcggtgtct 500
269 gaagcccccga ggcagaggtc accatctcct gttctggaag cagctccaac 550
271 atcggaata atgctgtaaa ctggtaccag cagctcccag gaaaggctcc 600
273 caaactcttc atctattatg gtgatctgct gccctcaggg tctctgaccg 650
275 attctctggc tccaagtctg gcacctcagc cttcctggcc atcagtgggc 700
277 tccagtctga ggatgaggct tgattattac tgccagtgtt acgacaccag 750
279 cctgagtgga gtgctattcg gcggagggcc aagctgcccg tccctagggtg 800
281 gatccgcaga gcccaaatct tgtgacaaaa ctcacacatg cccaccgtgc 850
283 ccagcacctg aactcctggg gggaccgtca gtcttcctct tcccccaaa 900
285 acccaaggac accctcatga tctcccggac ccctgaggtc acatgcgtgg 950
287 tgggtggacgt gagccacgaa gaccctgagg tcaagttcaa ctggtacgtg 1000
289 gacggcgtgg aggtgcataa tgccaagaca aagccgcggg aggagcagta 1050
291 caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 1100
293 ggctgaatgg caaggagtac aagtgcagg tctccaacaa agccctccca 1150
295 gccccatcg gagaaaacca tctccaagc caaagggcag ccccgagaac 1200
297 cacaggtgta caccctgccc ccatcccggg atgagctgac caagaaccag 1250
299 gtcagcctga cctgcctggt caaaggcttc tatcccagcg acatcgccgt 1300
301 ggagtgggag agcaatgggc agccggagaa caactacaag accacgcctc 1350
303 ccgtgctgga ctccgacggc tccttcttcc tctacagcaa gctcaccgtg 1400
305 gacaagagca ggtggcagca ggggaacgtc ttctcatgct ccgtgatgca 1450

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307 tgaggctctg cacaaccact acaggcagaa gagcctctcc ctgtctccgg 1500
309 gtaaatgata agcggccgc 1519
313 <210> SEQ ID NO: 12
315 <211> LENGTH: 2138
317 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
323 <221> NAME/KEY: CDS
325 <223> OTHER INFORMATION: hfVIIasm immunoconjugate
326 includes leader + hfVIIasm + human IgG1Fc
328 <400> SEQUENCE: 12
330 aagctttgca gagatttcat catgggtctcc caggccctca ggctcctctg 50
332 ccttctgctt gggcttcagg gctgcctggc tgcaggcggg gtcgctaagg 100
334 cctcaggagg agaaacacgg gacatgccgt ggaagccggg gcctcacaga 150
336 gtcttcgtaa cccaggagga agccacggc gtcctgcacc ggcgcccggc 200
338 cgccaacgcg ttcctggagg agctgcggcc gggctccctg gagagggagt 250
340 gcaaggagga gcagtgtctc ttcgaggagg cccgggagat cttcaaggac 300
342 gcggagagga cgaagctgtt ctggatttct tacagtgatg gggaccagtg 350
344 tgctcaagt ccatgccaga atgggggctc ctgcaaggac cagctccagt 400
346 cctatatctg cttctgcctc cctgccttcg agggccggaa ctgtgagacg 450
348 cacaaggatg accagctgat ctgtgtgaac gagaacggcg gctgtgagca 500
350 gtactgcagt gaccacacgg gcaccaagcg ctctgtctcg tgccacgagg 550
352 ggtactctct gctggcagac ggggtgtcct gcacacccac agttgaatat 600
354 ccatgtggaa aaatacctat tctagaaaaa agaaatgcc acaaacccca 650
356 aggccgaatt gtggggggca aggtgtgccc caaaggggag tgtccatggc 700
358 aggtcctgtt gttggtgaat ggagctcagt tgtgtggggg gaccctgatc 750
360 aacaccatct ggggtgtctc cgcggcccac tgtttcgaca aaatcaagaa 800
362 ctggaggaa cctgatcgcg tgcgtggcga gcacgacctc agcagacacg 850
364 acgggggatga gcagagccgg cgggtggcgc aggtcatcat cccagcacg 900
366 tacgtcccgg gcaccacca ccaagacatc gcgctgtctc gcctgcacca 950
368 gccctgtggt ctcactgacc atgtgtgtgc cctctgcctg cccgaacgga 1000
370 cgttctctga gaggacgctg gccttcgtgc gcttctcatt ggtcagcggc 1050
372 tggggccagc tgctggaccg tggcgccacg gccctggagc tcatggtgct 1100
374 caacgtgccc cggctgatga cccaggactg cctgcagcag tcacggaagg 1150
376 tgggagactc cccaaatatc acggagtaca tgttctgtgc cggctactcg 1200
378 gatggcagca aggactcctg cgcgggggac agtggaggcc cacatgccac 1250
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384 atcgagtggc tgcaaaagct catgcgctca gagccacgcc caggagtctt 1400
386 cctgcgagcc ccatttcccg gatccgcaga gcccaaatct tgtgacaaaa 1450
388 ctcacacatg cccaccgtgc ccagcacctg aactcctggg gggaccgtca 1500
390 gtcttcctct tcccccaaa acccaaggac accctcatga tctcccggac 1550
392 ccctgaggtc acatgcgtgg tgggtggacg gagccacgaa gaccctgagg 1600
394 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcata tgccaagaca 1650
396 aagccgcggg aggagcagta caacagcacg taccgtgtgg tcagcgtcct 1700
398 caccgtcctg caccaggact ggctgaatgg caaggagtac aagtgcaagg 1750
400 tctccaacaa agccctccca gcccccatcg agaaaaccat ctccaaagcc 1800
402 aaagggcagc cccgagaacb acaggtgtac accctgcccc catcccggga 1850
404 tgagctgacc aagaaccagg tcagcctgac ctgcctgggtc aaaggcttct 1900

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406	atcccagcga	catcgccgtg	gagtgggaga	gcaatgggca	gccggagAAC	1950
408	aactacaaga	ccacgcctcc	cgtgctggac	tccgacggct	ccttcttcct	2000
410	ctacagcaag	ctcaccgtgg	acaagagcag	gtggcagcag	gggaacgtct	2050
412	tctcatgctc	cgtgatgcat	gaggctctgc	acaaccacta	cacgcagaag	2100
414	agcctctccc	tgtctccggg	taaatgataa	gcggccgc		2138

VERIFICATION SUMMARY

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Input Set : A:\OCR679B.seq.txt

Output Set: N:\CRF3\02082002\J030203.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number
L:35 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:57 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:77 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:97 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:117 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:139 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:161 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:181 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:201 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:222 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10